

CLAIMS

What is claimed is:

1 1. An apparatus for use with a computer device having a connector
2 coupled to a chassis, comprising:
3 a first portion configured to support at least one media device such that the at least
4 one media device is located on a first side of the first portion; and
5 a second portion located on a second side of the first portion and configured to at least
6 partially secure the position of at least one computer component with respect
7 to the connector.

1 2. The apparatus as recited in claim 1, wherein the first portion comprises
2 a releasable mounting mechanism configured to move the first portion between open
3 and closed positions relative to the chassis.

1 3. The apparatus as recited in claim 1, wherein the second portion
2 includes a resilient member configured to bias the at least one computer component
3 into an engaged configuration with respect to the connector.

1 4. The apparatus as recited in claim 3, wherein the resilient member
2 comprises a leaf spring.

1 5. The apparatus as recited in claim 1, wherein the second portion has a
2 plurality of tabs interactable with non-adjacent sides of the at least one computer
3 component.

1 6. The apparatus as recited in claim 1, comprising a flange portion
2 extending from the first portion and having at least one aperture for receiving a media
3 disk therethrough.

1 7. The apparatus as recited in claim 1, comprising a latch mechanism
2 configured to secure the first portion releasably in a closed configuration with respect
3 to the chassis.

1 8. The apparatus as recited in claim 1, comprising a pivot assembly
2 configured to couple the first portion pivotably with respect to the chassis.

1 9. A computer device, comprising:
2 a chassis comprising a first support configured to support a first computer component;
3 and
4 a structure selectively positionable between open and closed configurations with
5 respect to the chassis, wherein the structure comprises a second support
6 configured to support a second computer component and a third support to at
7 least partially retain the first computer component with respect to the chassis
8 in the closed configuration.

1 10. The computer device as recited in claim 9, wherein the first and second
2 supports are configured to position the first and second computer components on
3 opposite sides of the structure.

1 11. The computer device as recited in claim 9, wherein the third support
2 comprises a resilient member configured to bias the first computer component into a
3 connected configuration with respect to the chassis.

1 12. The computer device as recited in claim 9, comprising at least one
2 cooling device configured to cool the first computer component.

1 13. The computer device as recited in claim 12, wherein the cooling
2 component comprises a fan configured to produce airflow across the first computer
3 component, wherein the first computer component includes a processor supported by
4 the first support.

1 14. The computer device as recited in claim 13, wherein the structure is
2 configured to at least partially direct airflow across the first computer component.

1 15. The computer device as recited in claim 9, comprising the second
2 computer component, which comprises a media device.

1 16. The computer device as recited in claim 15, wherein the media device
2 comprises a disk drive.

1 17. The computer device as recited in claim 9, wherein the structure is
2 removably coupled to the chassis.

1 18. The computer device as recited in claim 9, comprising the first
2 computer component, which includes a heat sink coupled to a processor.

1 19. The computer device as recited in claim 9, wherein the structure is
2 pivotable with respect to the chassis.

1 20. The computer device as recited in claim 9, comprising a positioning
2 tab coupled to the chassis and configured to support the structure in an open
3 configuration with respect to the chassis.

1 21. The computer device as recited in claim 9, comprising the first
2 computer component, which comprises a hot-pluggable device.

1 22. A computer system, comprising:
2 a rack; and
3 at least one computer device located in the rack, the computer device comprising:
4 a chassis;
5 a processor assembly coupled to the chassis; and
6 a structure positionably coupled to chassis, wherein the structure is configured
7 to at least partially maintain the position of the processor assembly
8 with respect to the chassis and to support at least one media device.

1 23. The computer system as recited in claim 22, wherein the computer
2 device has a 2U thickness.

1 24. The computer system as recited in claim 22, wherein the structure is
2 pivotably coupled to the chassis.

1 25. The computer system as recited in claim 22, wherein the computer
2 device comprises a plurality of processor assemblies.

1 26. A method for use with a computer device having a chassis, comprising:
2 supporting a first computer component on a first side of a structure positionably
3 coupleable to the chassis; and
4 restricting movement of a second computer component on a second side of the
5 structure with respect to the chassis.

1 27. The method as recited in claim 26, comprising biasing the second
2 computer component into an engaged configuration with respect to a connector via a
3 resilient member coupled to the second side of the structure.

1 28. The method as recited in claim 26, comprising directing airflow across
2 the second computer component via the structure.

1 29. The method as recited in claim 26, comprising pivotably coupling the
2 structure to the chassis.

1 30. The method as recited in claim 26, comprising removably coupling the
2 structure to the chassis.

1 31. A computer device, comprising:
2 means for supporting a first computer component on a first side of a structure
3 positionably coupleable to a chassis; and

4 means for restricting movement of a second computer component on a second
5 side of the structure with respect to the chassis.

1 32. The computer device as recited in claim 31, comprising means for
2 positionably securing the structure to the chassis between open and closed
3 configurations.

1 33. A media tray for use with a computer device, comprising:
2 a plate-like portion configured to support at least one media device on a first side of
3 the plate-like portion; and
4 a second portion located on a second side of the plate-like portion opposite the first
5 side and configured to at least partially secure the position of a processor
6 assembly with respect to an electrical connector.

1 34. The media tray as recited in claim 33, wherein the electrical connector
2 comprises an interposer.

1 35. The media tray as recited in claim 33, comprising a pivot assembly
2 configured to facilitate pivotal movement of the plate-like portion and second portion
3 with respect to a chassis of the computer device.

1 36. The media tray as recited in claim 33, wherein the second portion
2 comprises a leaf spring.

1 37. The media tray as recited in claim 36, wherein the second portion
2 comprises at least one pair of tabs configured to engage with non-adjacent sides of the
3 processor assembly.